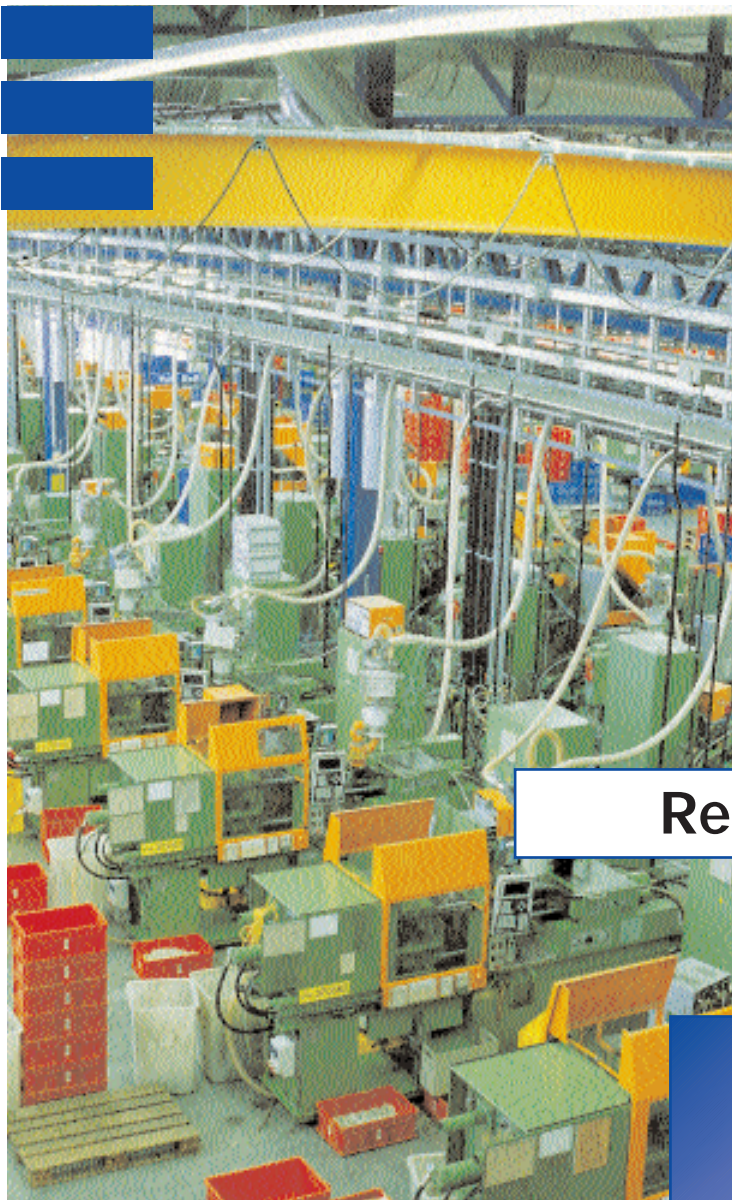


flare MOVE

Relay modules

Modular design



Relay modules Plug-in relays

Flare



Coil voltage 12 V AC/DC
Output 250 V AC / 10 A
1 Changeover contact

Approvals: CSA, UL in preparation



Coil voltage 24 V AC/DC
Output 250 V AC / 8 A
2 Changeover contact

Approvals: CSA, UL in preparation

Overall width: 15.8 mm
plug-in relay
single changeover contact /
2 changeover contact

Dimensions (mm): B x H x T
15.8 x 78.6 x 76

Description	Type	Part No.	Type	Part No.
Relay module 12V DC; 1U; AgNi; 10A	Flare move 12DC1W10A	80.010.4701.2		
Relay module 12V AC; 1U; AgNi; 10A	Flare move 12AC1W10A	80.010.4711.2		
Relay module 24V DC; 2U; AgNi; 8A			Flare move 24DC2W8A	80.010.5102.2
Relay module 24V AC; 2U; AgNi; 8A			Flare move 24AC2W8A	80.010.5312.2
Relay module 115V AC; 1U; AgCdO; 16A				
Relay module 230V AC; 2U; AgNi; 10A				
Coil side (same for both contact materials)	DC	AC	DC	AC
Nominal operating voltage	12 V DC	12 V AC	24 V DC	24 V AC
Maximum operating voltage	21 V DC	13.2 V AC	42 V DC	26.4 V AC
Minimum operating voltage	8.8 V DC	9.6 V AC	17.5 V DC	19.2 V AC
Nominal input current	41 mA	90.5 mA	22.2 mA	46 mA
Nominal input capacity	0.5 W	1.2 VA	0.5 W	1.2 VA
Operating range	(0.73 ... 1.75) U _N	(0.8 ... 1.1) U _N	(0.73 ... 1.75) U _N	(0.8 ... 1.1) U _N
Connectable via plug-in jumper	8 Modules		8 Modules	
Status display	LED green		LED green	
Switching characteristics	AgNi		AgNi	
Maximum switching voltage	400 V AC*		250 V AC	
Nominal switching voltage	250 V AC		250 V AC	
Maximum switching current	10 A AC/DC		8 A	
Maximum switching capacity AC 1	2500 VA		2000 VA	
Maximum starting current	20 A (0.5 sec.)		15 A (0.5 sec.)	
Pickup/dropout delay (including chatter)	15 ms / 12 ms		15 ms / 12 ms	
Maximum switching frequency	10 Hz (without load); 0.5 Hz (at full load)		10 Hz (without load); 0.5 Hz (at full load)	
Contact material	AgNi		AgNi	
Minimum switchable voltage	5 V AC/DC		5 V AC/DC	
Minimum switchable current	5 mA AC/DC		5 mA AC/DC	
Minimum switching capacity	300 mW		300 mW	
Mechanical endurance AC/DC	2 x 10 ⁷	1 x 10 ⁷	1 x 10 ⁷	
Electrical endurance AC 1	2 x 10 ⁵	2 x 10 ⁵	1.5 x 10 ⁵	
Rated voltage	250 V		250 V	
Isolation voltage of input/output	3.6 kV _{eff} / 3		3.6 kV _{eff} / 2	
Overvoltage category	III		III	
Degree of pollution	3		2	
Ambient temperature	-40°C...+70°C		-40°C...+70°C	
Storage temperature	-40°C...+70°C		-40°C...+70°C	
Protection type/mounting rail	IP 20 / TS35		IP 20 / TS35	
Emitted interference/interference immunity				
Wire range of screw terminal: finely stranded/single core	0.25 mm ² - 4 mm ² / 0.25 mm ² - 6 mm ²		0.25 mm ² - 4 mm ² / 0.25 mm ² - 6 mm ²	
Relay type				
Relay 12 V DC; 1 Changeover contact; AgNi; 10 A		80.063.5031.2		
Socket for operating voltage 12 V DC		80.063.5036.1		
Relay 12 V AC; 1 Changeover contact; AgNi; 10 A		80.063.5041.2		
Socket for operating voltage 12 V AC		80.063.5036.1		
Relay 24 V DC; 2 Changeover contact; AgNi; 8A			80.063.5232.2	
Socket for operating voltage 24 V AC			80.063.5026.1	
Relay 24 V AC; 2 Changeover contact; AgNi; 8 A			80.063.5242.2	
Socket for operating voltage 24 V AC			80.063.5026.1	
Accessories	Type	Part No.	Type	Part No.
Variclip (plastic, black), retaining clip	VARICLIP	80.063.5009.1	VARICLIP	80.063.5009.1
Retaining clip (metal)	METAL	80.063.5019.1	METAL	80.063.5019.1
Comb shaped jumper for linking terminals A1, A2, continuous current 10A	KB SF48	80.063.5029.2	KB SF48	80.063.5029.2

* for 400 V applications, requirements for pollution degree 2 are met.

flare



Overall width: 15.8 mm
 plug-in relay
 single changeover contact /
 2 changeover contact

Dimensions (mm): B x H x T
 15.8 x 78.6 x 76

Coil voltage 115 V AC
Output 250 V AC / 16 A
1 Changeover contact
 Approvals: CSA, UL in preparation

Coil voltage 230 V AC
Output 250 V AC / 16 A
1 Changeover contact
 Approvals: CSA, UL In preparation

Description	Type	Part No.	Type	Part No.
Relay module 12V DC; 1U; AgNi; 10A				
Relay module 12V AC; 1U; AgNi; 10A				
Relay module 24V DC; 2U; AgNi; 8A				
Relay module 24V DC; 2U; AgNi; 8A				
Relay module 115V AC; 1U; AgCdO; 16A	Flare move 115AC1W16	80.010.4915.3		
Relay module 230V AC; 2U, AgNi; 10A			Flare move 230AC1W16	80.010.4916.3
Coil side				
Nominal operating voltage	115 V AC (50/60 Hz)		230 V AC (50/60 Hz)	
Maximum operating voltage	121 V AC		253 V AC	
Minimum operating voltage	88 V AC		184 V AC	
Nominal input current	10.1 mA		6 mA	
Nominal input capacity	1.2 VA		1.2 VA	
Operating range	(0.8 ... 1.1) U _N		(0.8 ... 1.1) U _N	
Connectable via plug-in jumper	8 Modules		8 Modules	
Status display	LED green		LED green	
Switching characteristics	AgCdO		AgNi	
Maximum switching voltage	400 V AC*		400 V AC*	
Nominal switching voltage	250 V AC		250 V AC	
Maximum switching current	16 A**		16 A	
Maximum switching capacity AC 1	4000 VA		2500 VA	
Maximum starting current	30 A (0.5 sec.)		30 A (0.5 sec.)	
Pickup/dropout delay (including chatter)	15 ms / 12 ms		15 ms / 12 ms	
Maximum switching frequency	10 Hz (without load); 0.5 Hz (at full load)		10 Hz (without load); 0.5 Hz (at full load)	
Contact material	AgCdO		AgNi	
Minimum switchable voltage	10 V AC/DC		5 V AC/DC	
Minimum switchable current	5 mA AC/DC		5 mA AC/DC	
Minimum switching capacity	500 mW		300 mW	
Mechanical endurance AC/DC	1 x 10 ⁷	1 x 10 ⁷	1 x 10 ⁷	2 x 10 ⁷
Electrical endurance AC 1	1 x 10 ⁵	1 x 10 ⁵	2 x 10 ⁵	
Rated voltage	250 V		250 V	
Isolation voltage of input/output	3.6 kV _{eff.} / 3		3.6 kV _{eff.} / 3	
Overvoltage category	III		III	
Degree of pollution	3		3	
Ambient temperature	-40 °C...+70 °C		-40 °C...+70 °C	
Storage temperature	-40 °C...+70 °C		-40 °C...+70 °C	
Protection type/mounting rail	IP 20 / TS35		IP 20 / TS35	
Emitted interference/interference immunity				
Wire range of screw terminal: finely stranded/single core	0.25 mm ² - 4 mm ² / 0.25 mm ² - 6 mm ²		0.25 mm ² - 4 mm ² / 0.25 mm ² - 6 mm ²	
Relay type				
Relay 115 V AC; 1 Changeover contact; AgCdO; 16 A		80.063.5145.2		
Socket for operating voltage 115 V AC		80.063.5026.1		
Relay 230 V AC; 1 Changeover contact; AgCdO; 16 A				80.063.5146.2
Socket for operating voltage 230V AC				80.063.5026.1
Accessories	Type	Part No.	Type	Part No.
Variclip (plastic, black), retaining clip	VARICLIP	80.063.5009.1	VARICLIP	80.063.5009.1
Retaining clip (metal)	METAL	80.063.5019.1	METAL	80.063.5019.1
Comb shaped jumper for linking terminals A1, A2, continuous current 10A	KB SF48	80.063.5029.2	KB SF48	80.063.5029.2
Marker tag (plastic, white)	BZ SF48	80.063.5029.3		
* for 400 V applications, requirements for pollution degree 2 are met	BZ SF48	80.063.5029.3		

** rated values: 10 A - 250 V with a current > 10 A, the contact terminal must be connected in parallel (21 with 11, 24 with 14, 22 with 12)

Relay modules

Plug-in relays

flare



Overall width: 6,2 mm
Plug-in

Dimensions (mm): B x H x T
6.2 x 88 x 76

Coil voltage 12 V DC; AC/DC
Output 250 V AC / 6 A
1 Changeover contact
Approvals: CSA, UL in preparation

Coil voltage 24 V DC; AC/DC
Output 250 V AC / 6 A
1 Changeover contact
Approvals: CSA, UL in preparation

Description	AgSnO ₂	AgSnO ₂ + Au (5 μ)	AgSnO ₂	AgSnO ₂ + Au (5 μ)
12 V Relay module DC	80.010.4501.0	80.010.4501.1		
24 V Relay module DC			80.010.4502.0	80.010.4502.1
12 V Relay module AC / DC	80.010.4521.0	80.010.4521.1		
24 V Relay module AC / DC			80.010.4522.0	80.010.4522.1
Coil side				
Nominal operating voltage	12 V DC	12 V AC / DC	24 V DC	24 V AC / DC
Maximum operating voltage	14.4 V DC	13.2 V AC / DC	28.8 V DC	26.4 V AC / DC
Minimum operating voltage	9.8 V DC	9.8 V AC / DC	18.2 V DC	19.2 V AC / DC
Nominal input current	15.2 mA	19 mA	9.4 mA	12 mA
Nominal input capacity AC / DC	0.2 W	0.25 V A	0.23 W	0.3 V A
Operating range	(0.7 ... 2.2) U _N	(0.85 ... 1.1) U _N	(0.7 ... 2.2)U _N	(0.85 ... 1.1) U _N
Connectable via plug-in jumper	20 Modules		20 Modules	
Status display	LED green		LED green	
Switching characteristics	AgSnO₂	AgSnO₂ + Au (5 μ)	AgSnO₂	AgSnO₂ + Au (5 μ)
Maximum switching voltage	400 V AC		400 V AC	
Nominal switching voltage	250 V AC		250 V AC	
Maximum switching current	6 A AC / DC		6 A AC / DC	
Maximum switching capacity	1500 V A / 150 W		1500 V A / 150 W	
Maximum starting current	30 A (0.5 sec.)		30 A (0.5 sec.)	
Pickup/dropout delay (including chatter)	7 ms / 11 ms		7 ms / 11 ms	
Maximum switching frequency	20 Hz (without load); 0.1 Hz (at full load)		20 Hz (without load); 0.1 Hz (at full load)	
Contact material	AgSnO₂	AgSnO₂ + Au (5 μ)	AgSnO₂	AgSnO₂ + Au (5 μ)
Minimum switchable voltage	12 V AC / DC	5 V AC / DC	12 V AC / DC	5 V AC / DC
Minimum switchable current	10 mA AC / DC	2 mA AC / DC	10 mA AC / DC	2 mA AC / DC
Minimum switching capacity	500 mW	50 mW	500 mW	50 mW
Mechanical endurance	1 x 10 ⁷		1 x 10 ⁷	
Electrical endurance at 230 V AC / 6 A	6 x 10 ⁴		6 x 10 ⁴	
Rated voltage	250 V		250 V	
Isolation voltage of input/output	4 kV _{eff.}		4 kV _{eff.}	
Overvoltage category	III (in accordance with HD 625.1S1)		III (in accordance with HD 625.1S1)	
Degree of pollution	2 (in accordance with HD 625.1S1)		2 (in accordance with HD 625.1S1)	
Ambient temperature	0 °C...+50 °C		0 °C...+50 °C	
Storage temperature	-40 °C...+55 °C		-40 °C...+55 °C	
Protection type/mounting rail	IP 20 / TS35		IP 20 / TS35	
Emitted interference/interference immunity				
Wire range of screw terminal: finely stranded/single core	0.14 mm ² - 1.5 mm ² / 0.5 mm ² - 2.5 mm ²		0.14 mm ² - 1.5 mm ² / 0.5 mm ² - 2.5 mm ²	
Accessories				
	Relay type	Part No.	Relay type	Part No.
12 V DC Relay	80.063.4031.0	80.063.4031.1 (+ Au (5 μ))		
24 V DC Relay			80.063.4032.0	80.063.4032.1 (+ Au (5 μ))
Socket for operating voltage (6/12/24) V DC	12 or 24 V DC	80.063.4001.1	12 or 24 V DC	80.063.4001.1
Socket for operating voltage (6/12/24) V AC/DC	12 or 24 V DC	80.063.4021.1	12 or 24 V DC	80.063.4021.1
Socket for operating voltage (48/60) V AC/DC	60 V DC	80.063.4023.1	60 V DC	80.063.4023.1
Socket for operating voltage (110...125) V AC/DC	60 V DC	80.063.4025.1	60 V DC	80.063.4025.1
Socket for operating voltage (220...240) V AC/DC	60 V DC	80.063.4026.1	60 V DC	80.063.4026.1
Insulation plate	IP SF38	80.063.4009.1	IP SF38	80.063.4009.1
Comb shaped jumper for linking the terminals, continuous current 36 A	KB SF38	80.063.4029.1	KB SF38	80.063.4029.1
Marker tag (plastic, white)	BZ SF38	80.063.4029.3	BZ SF38	80.063.4029.3
Marker plate	BM SF38	80.063.4129.3	BM SF38	80.063.4129.3

flare



Overall width: 6.2 mm
Plug-in

Dimensions (mm): B x H x T
6.2 x 88 x 76

Coil voltage 115 V AC/DC
Output 250 V AC / 6 A
1 Changeover contact

Approvals: CSA, UL in preparation

Coil voltage 230 V AC/DC
Output 250 V AC / 6 A
1 Changeover contact

Approvals: CSA, UL in preparation

Description	AgSnO ₂		AgSnO ₂ + Au (5 μ)	
	AgSnO ₂	AgSnO ₂ + Au (5 μ)	AgSnO ₂	AgSnO ₂ + Au (5 μ)
115 V AC/DC Relay module	80.010.4525.0	80.010.4525.1		
230 V AC/DC Relay module			80.010.4526.0	80.010.4526.1
Coil side				
Nominal operating voltage	115 V AC/DC (50/60 Hz)		230 V AC/DC (50/60 Hz)	
Maximum operating voltage	138 V		264 V	
Minimum operating voltage	88 V		184 V	
Nominal input current	5 mA		4 mA	
Nominal input capacity	0.9 VA		0.9 VA	
Operating range	(0.8 ... 1.1) U _N		(0.8 ... 1.1) U _N	
Connectable via plug-in jumper	20 Modules		20 Modules	
Status display	LED green		LED green	
Switching characteristics				
	AgSnO₂	AgSnO₂ + Au (5 μ)	AgSnO₂	AgSnO₂ + Au (5 μ)
Maximum switching voltage	400 V AC*		400 V AC*	
Nominal switching voltage	250 V AC		250 V AC	
Maximum switching current	6 A		6 A	
Maximum switching capacity AC 1	1500 VA		1500 VA	
Maximum starting current	10 A (0.5 sec.)		10 A (0.5 sec.)	
Pickup/dropout delay (including chatter)	7 ms / 11 ms		7 ms / 11 ms	
Maximum switching frequency	10 Hz (without load); 0.5 Hz (at full load)		10 Hz (without load); 0.5 Hz (at full load)	
Contact material	AgSnO ₂	AgSnO ₂ + Au (5 μ)	AgSnO ₂	AgSnO ₂ + Au (5 μ)
Minimum switchable voltage	12 V	5 V	12 V	5 V
Minimum switchable current	10 mA	2 mA	10 mA	2 mA
Minimum switching capacity	500 mW	50 mW	500 mW	50 mW
Mechanical endurance AC/DC	1 x 10 ⁷		1 x 10 ⁷	
Electrical endurance AC 1	6 x 10 ⁴		6 x 10 ⁴	
Rated voltage	250 V		250 V	
Isolation voltage of input/output	4 kV _{eff.} / 3		4 kV _{eff.} / 3	
Oversvoltage category	III		III	
Degree of pollution	3		3	
Ambient temperature	-40 °C...+55 °C		-40 °C...+55 °C	
Storage temperature	-40 °C...+55 °C		-40 °C...+55 °C	
Protection type/mounting rail	IP 20 / TS35		IP 20 / TS35	
Emitted interference/interference immunity				
Wire range of screw terminal: finely stranded/single core	0.25 mm ² - 2.5 mm ² / 0.25 mm ² - 2.5 mm ²		0.25 mm ² - 2.5 mm ² / 0.25 mm ² - 2.5 mm ²	
Accessories				
	Relay type	Part No.	Relay type	Part No.
60 V DC Relay (for 115 V / 230 V Relay module)	80.063.4034.0	80.063.4034.1 (+ Au (5 μ))	80.063.4034.0	80.063.4034.1 (+ Au (5 μ))
60 V DC Relay (for 115 V / 230 V Relay module)				
Socket for operating voltage (6/12/24) V DC	12 or 24 V DC	80.063.4001.1	12 or 24 V DC	80.063.4001.1
Socket for operating voltage (6/12/24) V AC/DC	12 or 24 V DC	80.063.4021.1	12 or 24 V DC	80.063.4021.1
Socket for operating voltage (48/60) V AC/DC	60 V DC	80.063.4023.1	60 V DC	80.063.4023.1
Socket for operating voltage (110...125) V AC/DC	60 V DC	80.063.4025.1	60 V DC	80.063.4025.1
Socket for operating voltage (220...240) V AC/DC	60 V DC	80.063.4026.1	60 V DC	80.063.4026.1
Insulation plate	IP SF38	80.063.4009.1	IP SF38	80.063.4009.1
Comb-shaped jumper for linking the terminals A1, A2				
20 poles	KB SF38	80.063.4029.1	KB SF38	80.063.4029.1
Marker tag (plastic, white)	BZ SF38	80.063.4029.3	BZ SF38	80.063.4029.3
Marker plate	BM SF38	80.063.4129.3	BM SF38	80.063.4129.3

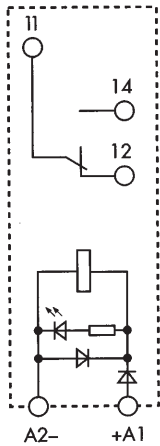
* for 400 V applications, requirements for pollution degree 2 are met.

Relay modules Plug-in relays

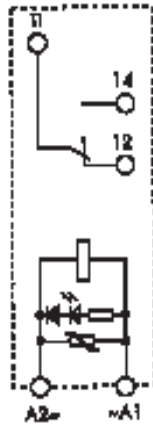
flare MOVE

Wiring diagrams: flare MOVE – Mechanical relay modules

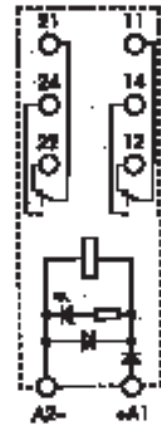
12 V DC Relay
Part No. 80.010.4701.2



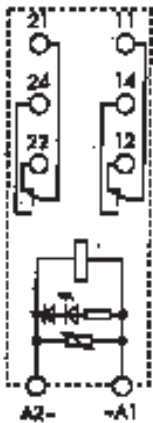
12 V AC Relay
Part No. 80.010.4711.2



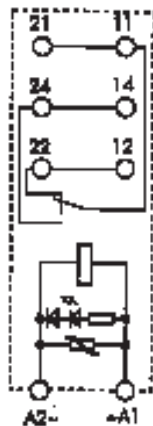
24 V DC Relay
Part No. 80.010.5102.2



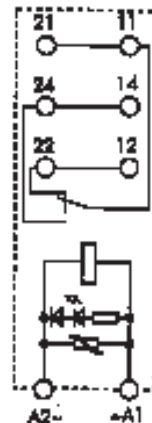
24 V AC Relay
Part No. 80.010.5312.2



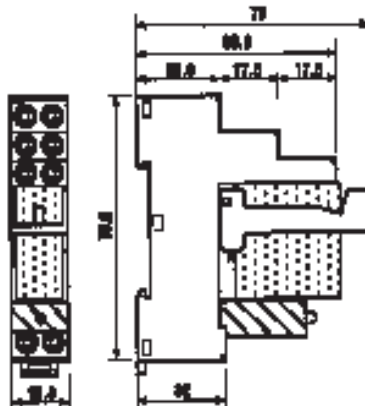
115 V AC Relay
Part No. 80.010.4915.3



230 V AC Relay
Part No. 80.010.4916.2



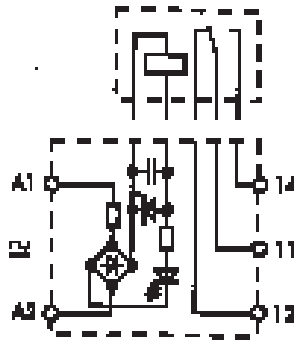
Dimensions



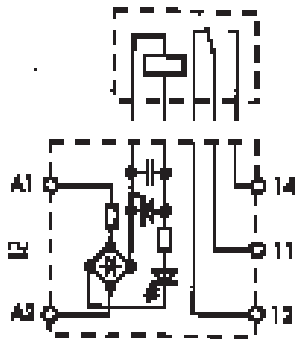
flare

Wiring diagrams: *flare* MOVE – Mechanical relay modules

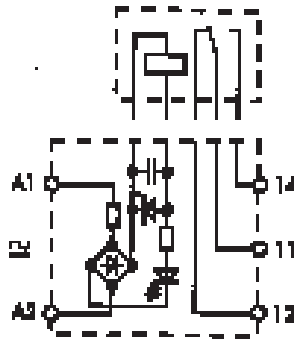
12 V DC; AC/DC Relay 1 Changeover contact
Part No. 80.010.4521.0
Part No. 80.010.4521.1



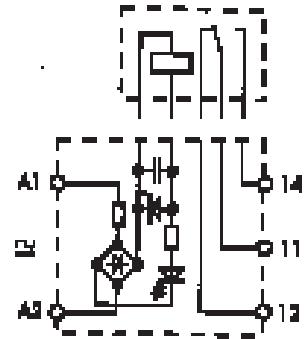
24 V DC; AC/DC Relay
1 Changeover contact
Part No. 80.010.4522.0
Part No. 80.010.4522.1



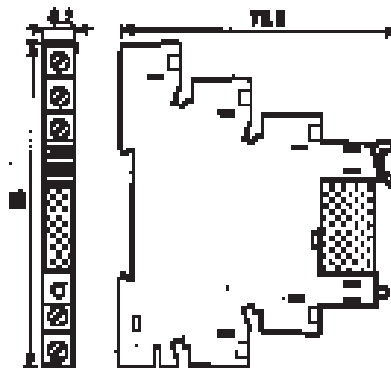
115 V AC/DC Relay
1 Changeover contact
Part No. 80.010.4525.0
Part No. 80.010.4525.1



230 V AC/DC Relay
1 Changeover contact
Part No. 80.010.4526.0
Part No. 80.010.4526.1



Dimensions



Wieland Electric Inc.
49 International Road
Burgaw, NC 28425
(910) 259-5050
(910) 259-3691

www.wielandinc.com

Product Range

DIN rail terminal blocks

- with screw connection
- with spring connection
- with IDC connection

Terminal blocks for electrical installations

- with screw connection
- with spring connection

Lighting and appliance terminals

Terminal strips

PC board connectors

- modular/pluggable
- insulated headers
- rising cage clamp/
plug connectors
- TOP connection
- spring connection
- electronics housings

Electronics components

- relay modules
- solid-state modules
- interface modules
- function modules
- Power Supplies

Fieldbus components

- motor starter
- power bus
- distributed I/Os

Systems for electrical installation

- Mains connectors
- Bus connectors
- Compact connectors
- Low voltage connectors
- Flat cable systems
- Distribution systems
- EIB switching devices

Multipole connectors

Multipole adapter

EExi

Data cablefeed-through

Connectors with mixed contacts

